IN THE CLAIMS:

Cancel claim 23.

Amend the claims to read as follows.

- 3. The tachykinin analogue of claim 1, wherein the analogue is capable of performing a specific binding in the salivary glands of a mice of at least 0.35% injected dose per gram organ (%ID/g), expressed as the difference in tissue uptake (90 minutes uptake) between untreated mice and mice treated with 90 nmol of a non-radioactive tachykinin peptide.
- 5. The tachykinin analogue of claim 3, wherein the tachykinin peptide is a substance P (SP) peptide.
- 6. The tachykinin peptide analogue of claim 1, wherein the tachykinin peptide comprises the C-terminal amino acid sequence, -Phe-X-Gly-Leu-Met-NH2, where X represents either Phe, Ile, or Val.
- 7. The tachykinin peptide analogue of claim 1, wherein the tachykinin peptide is a substance P (SP) peptide consisting essential of the amino acid sequence Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH2.

2

- 8. The radiolabeled tachykinin analogue of claim 1, wherein the ^{99m}Tc isotope is labeled to the tachykinin peptide through a linking molecule situated between the tachykinin peptide and the ^{99m}Tc isotope.
- 11. The radiolabeled tachykinin analogue of claim 8, wherein the linking molecule is a 3-(p-Hydroxypheny)propinyl molecule.
- 12. Use of a radiolabeled tachykinin analogue of claim 1 for mammalian *in vivo* tachykinin peptide receptor imaging.
- 17. The use of claim 12, wherein the *in vivo* tachykinin receptor imaging is done *in vivo* in a human.
- 21. The use of claim 12, wherein the purpose of the tachykinin receptor imaging is a diagnostic purpose.

Marked-up version of claims as amended herein.

- 3. The tachykinin analogue of [claims] <u>claim</u> 1 [or 2], wherein the analogue is capable of performing a specific binding in the salivary glands of a mice of at least 0.35% injected dose per gram organ (%ID/g), expressed as the difference in tissue uptake (90 minutes uptake) between untreated mice and mice treated with 90 nmol of a non-radioactive tachykinin peptide.
- 5. The tachykinin analogue of [claims] <u>claim</u> 3 [or 4], wherein the tachykinin peptide is a substance P (SP) peptide.
- 6. The tachykinin peptide analogue of [any of claims 1-5] claim 1, wherein the tachykinin peptide comprises the C-terminal amino acid sequence, -Phe-X-Gly-Leu-Met-NH2, where X represents either Phe, Ile, or Val.
- 7. The tachykinin peptide analogue of [any of claims 1-6] <u>claim 1</u>, wherein the tachykinin peptide is a substance P (SP) peptide consisting essential of the amino acid sequence Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH2.
- 8. The radiolabeled tachykinin analogue of [any of claims 1-7] <u>claim 1</u>, wherein the ^{99m}Tc isotope is labeled to the tachykinin peptide through a linking molecule situated between the tachykinin peptide and the ^{99m}Tc isotope.

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- 11. The radiolabeled tachykinin analogue [of claim] of claim 8, wherein the linking molecule is a 3-(p-Hydroxypheny)propinyl molecule.
- 12. Use of a radiolabeled tachykinin analogue of [any of claims 1-11] <u>claim 1</u> for mammalian in vivo tachykinin peptide receptor imaging.
- 17. The use of [any of claims 12-16] <u>claim 12</u>, wherein the *in vivo* tachykinin receptor imaging is done *in vivo* in a human.
- 21. The use of [any of claims 12-20] <u>claim 12</u>, wherein the purpose of the tachykinin receptor imaging is a diagnostic purpose.